

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: August 28, 2003, 01:04:03 ; Search time 85 Seconds  
(without alignments)  
4860.407 Million cell updates/sec

Title: US-09-308-829-1

Perfect score: 936

Sequence: 1 caacttgactattaaatg.....gagcttaactctaattta 936

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA.\*

1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq.\*

2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq.\*

3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq.\*

4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq.\*

5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq.\*

6: /cgn2\_6/ptodata/1/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	60.6	6.5	1511	1	US-07-991-867B-8
C 2	60.6	6.5	1511	1	US-08-107-755A-8
C 3	60.6	6.5	1511	2	US-08-544-332-8
C 4	60.6	6.5	1511	4	US-09-370-861A-8
C 5	59	6.3	665	2	US-08-883-795A-36
C 6	58.4	6.2	837	3	US-08-998-416-288
C 7	54	5.8	861	4	US-09-601-198-66
C 8	54	5.8	1837	2	US-08-743-637B-33
C 9	54	5.8	1837	3	US-08-526-840B-33
C 10	54	5.8	1837	4	US-09-144-776B-15
C 11	52.8	5.6	696	4	US-09-107-532A-1647
C 12	52	5.6	615	3	US-08-998-416-186
C 13	52	5.6	636	3	US-08-998-416-1137
C 14	52	5.6	20674	4	US-09-641-638-651
C 15	50.2	5.4	711	4	US-09-601-198-111
C 16	49.4	5.3	19124	2	US-08-487-826B-13
C 17	47.6	5.1	660	1	US-07-991-867B-32
C 18	47.6	5.1	660	2	US-08-107-755A-32
C 19	47.6	5.1	660	2	US-08-544-332-32
C 20	47.6	5.1	660	4	US-09-370-861A-32
C 21	47.6	5.1	4810	3	US-08-852-629-11
C 22	47.6	5.1	4838	3	US-08-852-629-15
C 23	47.4	5.1	1664976	4	US-08-916-421B-1
C 24	47	5.0	1692	4	US-09-601-198-63
C 25	46.8	5.0	6124	4	US-08-213-419B-3
C 26	46.6	5.0	543	4	US-09-134-001C-129
C 27	46.6	5.0	53332	4	US-09-801-861-3

Sequence 651, App  
Sequence 186, App  
Sequence 288, App  
Sequence 13, Appl  
Sequence 133, App  
Sequence 2, Appl  
Sequence 1, Appl  
Sequence 1, Appl  
Sequence 595, App  
Sequence 32, Appl  
Sequence 4, Appl  
Sequence 21, Appl  
Sequence 36, Appl  
Sequence 56, Appl  
Sequence 1550, Ap  
Sequence 138, App  
Sequence 1137, Ap

ALIGNMENTS

RESULT 1

US-07-991-867B-8/c

; Sequence 8, Application US/07991867B

; Patent No. 5476781

; GENERAL INFORMATION:

; APPLICANT: Moyer, Richard W.

; APPLICANT: Hall, Richard L.

; APPLICANT: Gruidl, Michael E.

; TITLE OF INVENTION: No. 5476781el Entomopoxvirus Expression System

; NUMBER OF SEQUENCES: 66

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David R. Saliwanchik

; STREET: 2421 N.W. 41st Street, Suite A-1

; CITY: Gainesville

; STATE: FL

; COUNTRY: USA

; ZIP: 32606

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/991.867B

; FILING DATE: 12-DEC-1992

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: WO 92/14818

; FILING DATE: 12-FEB-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/827,685

; FILING DATE: 30-JAN-1992

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/657,584

; FILING DATE: 19-FEB-1991

; ATTORNEY/AGENT INFORMATION:

; NAME: Saliwanchik, David R.

; REGISTRATION NUMBER: 31,794

; REFERENCE/DOCKET NUMBER: UFI14.C3

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 904-375-8100

; TELEFAX: 904-372-5800

; INFORMATION FOR SEQ ID NO: 8:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1511 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: unknown

; MOLECULE TYPE: DNA (genomic)

; ORIGINAL SOURCE:

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: ORGANISM: Anascta moorei entomopoxvirus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: complement (18..218)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: complement (234..782)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 852..1511
: US-07-991-867B-8

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Query Match          6.5%; Score 60.6; DB 1; Length 1511;
Best Local Similarity 44.9%;
Matches 372; Conservativeness 0.0004;
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	QY	97	ACTTACTGCTATTTTCATGTATTTCTGCTAGCGATATACATTTAATTAAAGGAAAAAATG <td>156</td>	156
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	QY	157	AAAAAGATTAACATCATCAAAATAGTTTTCATAATTACAGTCATCATGATTTCTACTAT <td>216</td>	216
	Db	1298	AACATATCAATTAGGAAAAACATTTAAAGTTACCAAAATTAATTTTACATATTATA <td>1239</td>	1239
	QY	217	TTCCACCTA--TCATCAAGTGCACCTCAAGAACACATTTTCGATGTTAAAAAGTATT <td>273</td>	273
	Db	1238	TTTTTTAAATTTTACTAAATATTAAATAAAATTTATGTCATTTATATATACATGATTCACA <td>1179</td>	1179
	QY	274	CTTTATGTCATACATATAACTCCCTTATGATTATTAAGATTCGAGGTTAAATTTTCAACG <td>333</td>	333
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	QY	394	GAATGTCTTATGAGGCTCTCAAAATTTAAACGAGATCATCATGTAGATCTTTTCGA <td>453</td>	453
	Db	1058	TAAATTTGAATATATAAACTTTTAAATATTTCTGGAATATTATTAAAAATATTATATC <td>999</td>	999
	QY	454	TTATTTTATATCTTAAATCTCACACGGTGGATCACTATGAGGAAATACGCCGTCT <td>513</td>	513
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	QY	514	CAAAATTAATAAGTAAATCATAAATTTATGGAATCTATTTATTTCCGGAGATCTCAA <td>573</td>	573
	Db	938	AACATATCTCTTTTATTTATTTATTTTAAATATAATATTTTAAATATTATTATA <td>879</td>	879
	QY	574	CAGAATTAATAACAGATTTATCTAGAAAGGATATCGTAACCTTTCCAGGAAATGAC <td>633</td>	633
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	QY	634	TTTTAAAAATCAGAAATACCTTTAGGTAATTTATAAAATTTATGACGCTACTCTCCCTAT <td>693</td>	693
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	QY	694	GTAAGCGCAGAAATCGAAATTTGGCACAAGATCGGAAACATGAGCAAAATAGACTATT <td>753</td>	753
	Db	759	TCCTATGTTTCTGCGCAAAACACAGAAATTTGATGCGAAAAATTAATAGATATATTTATC <td>700</td>	700
	QY	754	GACTCACCAATGAAGGCACTAGATCAGATATTTTTTGCAAAAATATAAAGATAATAGAA <td>813</td>	813
	Db	699	TAATCA-----AAAATGTGTAATTATAAATCAATAATATAGATTAATAGATTT <td>654</td>	654
	QY	814	ATCAATGAAGAATTTTACTGTAATTTTCTGGAATTTTATCTTTGAAAAATAAT <td>862</td>	862
	Db	653	ATAATAAAAAATAATAAATCATGACGGAAATATATTAAATAAGAAAT <td>605</td>	605

## RESULT 2

```

US-08-107-755A-8/c
: Sequence 8, Application US/08107755A
: Patent No. 5721352
: GENERAL INFORMATION:
: APPLICANT: Moyer, Richard W.
: APPLICANT: Hall, Richard L.
: APPLICANT: Gruidl, Michael E.
: TITLE OF INVENTION: No. 5721352el Entomopoxvirus Expression System
: NUMBER OF SEQUENCES: 40
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: David R. Saliwanchik
: STREET: 2421 N.W. 41st Street, Suite A-1
: CITY: Gainesville
: STATE: Florida
: COUNTRY: U.S.A.
: ZIP: 32606
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/107,755A
: FILING DATE: 19-AUG-1993
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/827,658
: FILING DATE: 30-JAN-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/657,584
: FILING DATE: 19-FEB-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Saliwanchik, David R.
: REGISTRATION NUMBER: 31,794
: REFERENCE/DOCKET NUMBER: UF114.C2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (904) 375-8100
: TELEFAX: (904) 372-5800
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1511 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: unknown
: MOLECULE TYPE: DNA (genomic)
: ORIGINAL SOURCE:
: ORGANISM: Amsacta moorei entomopoxvirus
: FEATURE:
: NAME/KEY: CDS
: LOCATION: complement (18..218)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: complement (234..782)
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 852..1511
: US-08-107-755A-8

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Query Match  
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Matches 37

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Db					
QY					
Db					
QY					

Db 1298 AACATATATAAGAAAAACATATTATAAGTTTACCAAAATTTATTTTAGATATATTATAA 1239  
Qy 217 TTCACCTA---TCATCAAGAGTACTTAAGAAAGACATTTCCAAATGTTTAAAGTGATTTA 273  
Db 1238 TTTTAAATTTACTAAATTTATAAATAATTTAGTCATTTATATACATGATTCACA 1179  
Qy 274 CTTTATGATACATATAAATCCCTTATGATTTATAAGATTCGAGGTAATTTTCAACG 333  
Db 1178 ATTTAAAAATTTCTAGAAATGCTAGTATAATATTACTTATATGCTATTTTGTATA 1119  
Qy 334 ACACACATTAACATTTGATACTCARAAATATAGAGGAAGACTATTATAGTTCC 393  
Db 1118 AGATATATCTAAATGTTATTTTAAATTTTGTATAAAATTTAAATTAATAAT 1059  
Qy 394 GAAATGCTTATGAGGCTCTCAAAAATTTAAACGAGATGATCATGATGTTTGTGA 453  
Db 1058 TAAATTTCAATATATAAATCTTTTAATATTTTCTGGAATATTTTAAATATTATATC 999  
Qy 454 TTATTTATATCTTAATTTCTACACCGGTGAGTACATCTATGAGGAATTTACGCGTCT 513  
Db 998 ATAATATATTATGCAATCTCTCTAAATTAACATAATTTTAAATATAATTAATTAAT 939  
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Db 938 AACTATCTCTGTTTATTTATTTTAAATTAATAATTTTAAATATTATTAATA 879  
Qy 574 CAGAACTTAAATAACAAGATTATTCTAGAAAAGGATATCGTAACCTTTCCAGGAATTCAC 633  
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Qy 634 TTTAAATCAGAAATACCTTATGATTAATTTATAAATTTATGAGGCTACTTCTCCCTAT 693  
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Qy 694 GTAAGCGCAGAAATCGAAATTTGGCACAAAGATGGGAACATGAGCAATAGACTTAT 753  
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Qy 754 GACTCACCAAAATGAAGGACTAGATCAGATATTTTGCAAAATATATAAGATAAATAGATT 813  
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Qy 814 ATCAATATGAAGAACTTTAGTCATTTTCGATATTTATCTTGAAAAATAAT 862  
Db 653 ATAAATAAATAATAAATAAATCATGACGGAATATATTAAATAAAGAAAT 605

RESULT 3  
US-08-544-332-8/c  
; Sequence 8, Application US/08544332  
; Patent No. 5935777  
; GENERAL INFORMATION:  
; APPLICANT: Moyer, Richard W.  
; APPLICANT: Hall, Richard L.  
; APPLICANT: Gruidl, Michael E.  
; TITLE OF INVENTION: No. 5935777el Entomopoxvirus Expression System  
; NUMBER OF SEQUENCES: 77  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Gerard H. Bencen  
; STREET: 2421 N.W. 41st Street, Suite A-1  
; CITY: Gainesville  
; STATE: FL  
; ZIP: 32606  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/544,332  
; FILING DATE:  
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/991,867  
; FILING DATE: 07-DEC-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/107,755  
; FILING DATE: 19-AUG-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO 92/14818  
; FILING DATE: 12-FEB-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/827,685  
; FILING DATE: 30-JAN-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 07/657,584  
; FILING DATE: 19-FEB-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Bencen, Gerard H.  
; REGISTRATION NUMBER: 35,746  
; REFERENCE/DOCKET NUMBER: UF114.C4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 904-375-8100  
; TELEFAX: 904-372-5800  
; INFORMATION FOR SEQ ID NO: 8:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1511 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: unknown  
; MOLECULE TYPE: DNA (genomic)  
; ORIGINAL SOURCE:  
; ORGANISM: Amsacta moorei entomopoxvirus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: complement (18..218)  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: complement (234..782)  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: 852..1511  
US-08-544-332-8

Query Match 6.5%; Score 60.6; DB 2; Length 1511;  
Best Local Similarity 44.9%; Pred. No. 0.0004;  
Matches 372; Conservative 0; Mismatches 439; Indels 18; Gaps 3;

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Qy 97 ACTTACTGCTATTTTCATGTTCTCTAGAGTAAATTAATTAAGGAGAAAAATG 156  
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Qy 157 AAAAGATTAAACATCATCAAAATAGTTTTCATAAATTAAGAGTACTGATTTCTACTTAT 216  
Db 1298 AACTATATAAGTAAAGAAACATTTATAAGTTTACCAAAATTTATTTTAGATATATTAA 1239  
Qy 217 TTCACCTA---TCATCAAAAGTACCTTAAGAAAGACATTTCCGAATGTTAAAGTATTA 273  
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Qy 274 CTTTATGATACATATAAATCCCTTATGATTTATAAAGATTTGAGGTAATTTTCAACG 333  
Db 1178 ATTTAAATTTCTATAGATGTTGAGTATAATAATTTACTTATTTTGTATTTTGTATA 1119  
Qy 334 ACACACATTAACATTTGATACCTCAAAATAATAGAGGAAGACTATTATATAGTTCC 393  
Db 1118 AGATATATCTAAATGTTATTTTAAATTTTGTATAAAATTTTAAATTTTAAATTTTAAATTT 1059  
Qy 394 GAAATGCTTATGAGGCTCTCAAAAATTTAAACGAGATGATCATGATGTTTGTGA 453  
Db 1058 TAAATTTGAAATATAATAAATCTTTTAAATTTTCTGGAATATTTTAAATATTATATC 999



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; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gravelle, Micheline
; REGISTRATION NUMBER: 40,261
; REFERENCE/DOCKET NUMBER: 7841-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 364-7311
; TELEFAX: (416) 361-1398
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 665 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: Rh 32
; US-08-883-795A-36

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Query Match 6.3%; Score 59; DB 2; Length 665;
Best Local Similarity 49.5%; Pred. No. 0.00077;
Matches 238; Conservative 0; Mismatches 235; Indels 8; Gaps 3;

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Db 605 AACCTCGCTTTTAAATTTTCTCTCTTTTAACTATTATAAAATATTGAATTATA 546
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QY 62 AAATTTCTAAATAACAGAAATCGATTTTAACTACTTACTCTATTTTCATGTTCTC 121
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Db 545 AAATATGTAATATAAATCTTTTAAATATAAATATGTAATATAAATCTTTTAAATATA 486
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QY 122 GTACGAGTAATACATTTTAAATGAGGAGAAATGAAAGATTAAACATCATCAAAATAG 181
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Db 485 AAATATGTAATATAAATCTTTTAAATATAAATATGTAATATAAATGTAATATAAACA 426
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Db 425 TTTTAAATATAAATATGTAATATAAATATAAATTTTAAATATAAATATGTAATATAAACA 366
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QY 237 CTCTAGAAGACATTTCCGAATCTTAAAGTGATTTTATGTCATACACTATACTCC 296
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Db 365 TTTTAAATATAAATATGTAATATAAATATAAATTTTAAATATAAATATGTAATATAAACA 306
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Db 305 TTTTAAATATAAATATTTAAATATAAATTTTAAATATAAATATTTAAATATAAATA 246
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QY 356 CTCAAA--AATATAGAGGGAAGACTATTATATTAGTTCGAAATGTCTTATGAGGCCTC 413
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QY 474 T 474
Db 125 T 125

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## RESULT 6

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US-08-998-416-288/c
; Sequence 288, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtle, Philipp

```

```

; APPLICANT: Rebischung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPHII
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation
; STREET: 3054 Cornwallis Road
; CITY: Research Triangle Park
; STATE: No. 6239264th Carolina
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA: US/08/998,416
; APPLICATION NUMBER: 24-DEC-1997
; FILING DATE: 435
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: CH 0016/97
; FILING DATE: 31-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Meigs, J. Timothy
; REGISTRATION NUMBER: 38,241
; REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8587
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 288:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 837 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: PAG1241RP
; US-08-998-416-288

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Query Match 6.2%; Score 58.4; DB 3; Length 837;
Best Local Similarity 47.3%; Pred. No. 0.0011;
Matches 276; Conservative 0; Mismatches 301; Indels 7; Gaps 3;

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QY 41 TAAATATAATACATTTATAAAATTTCTAAATAACAGAAATCTGATTTTAACTACTT 100
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Db 609 TATAATATTTTAAATATAATTAATAATGATAAAATATTAAATATAATTAATTAAT 550
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QY 101 ACTGCTATTTTCATGCTATTCGTCGACGAGTAAATACATTTAAATTAAGGAGAAAAATGAAA 160
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Db 549 TAAATAATAATAATAATAATAATAATAATAATAATAATAATAATAATAATAATAATA 490
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QY 161 AGATTACATCATCAAAATAGTTTTCATATAATACAGTCATACACTGATTTCTACTTATTTC 220
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Db 489 AGAAATTTAAAGTTAAAAATTAATTTTAAATAATAATTTCTTATATAAAGATTTAAATATA 430
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QY 221 CCTATCATCAAGTGACTCTTAAGAAACACATTTTCGAATGTTAAAGTGATTTACTTTATG 280
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Db 429 ---ATCAACATAATATTATAATAATAATAATAATAATAATAATAATAATAATAATAAT 373
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QY 281 CATACACTATAACTCTCTTATGATTATAA---AGATTGCAGGGTAAATTTTTCACACGACAC 337
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Db 372 TAAATAATTAATCTTTTATAATAATAATAATAATAATAATAATAATAATAATAATAATA 313
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QY 338 ACATTTAAACATTTGACTACTCAAAATATAGAGGAAAGACTATATATATTAGTTCCGA-A 396
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Db 312 ATATATTAAATATTGATAAATCTATTATAATAATTTTAAAGAAAAATAATAATATCTAATA 253
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QY 397 ATGCTCTTATGAGGCCTCTCAAAATTTTAAACGAGATCATGATGATGTTTGGATTA 456
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Db 252 ATATTTTAAATAACTAAATTTTAAATTTGAACATAGCACTAAATAGTATTAATAATTAAT 193
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Qy	457	TTTTATATCTTAAATTCACACACGGTGAGTACATCTATGGAGGAATATAGCGCTGCTCAA	516
Db	192	ATTTTATAAATTTATATAAATATTAATAATGATGAATTAGTAAATTTATATAAATTTATA	133
Qy	517	ATAATAAGATAAATCATAAATTTATGGGAATCTTATTTTGGGAGAAATCTCAACAG	576
Db	132	TAAATAGTATTAATAATCAAATAATTAATTTTAAATAATGATAATAATAGTTTAAATA	73
Qy	577	AACTTAAATAACAGATTATTTCTACAAAGAGATATCGTAACTTT	620
Db	72	ATTTAACTTAAATATTAATAATAAAAGTTTATATTAATCTT	29

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RESULT 7
US-09-601-198-66
; Sequence 66, Application US/09601198
; Patent No. 6531583
; GENERAL INFORMATION:
; APPLICANT: Cassell, Gail H.
; APPLICANT: Chen, Ellison Y.
; APPLICANT: Glass, Jennifer S.
; APPLICANT: Glass, John I.
; APPLICANT: Heiner, Cheryl R.
; APPLICANT: Lefkowitz, Elliot
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND METHOD FOR DETECTING UREAPLASMA
; TITLE OF INVENTION: UREALYTICUM
; FILE REFERENCE: UAB-13452/22
; CURRENT APPLICATION NUMBER: US/09/601,198
; CURRENT FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/073,189
; PRIOR FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 181
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 66
; LENGTH: 861
; TYPE: DNA
; ORGANISM: Ureaplasma urealyticum
US-09-601-198-66

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Query Match	5.8%	Score 54;	DB 4;	Length 861;
Best Local Similarity	47.9%	Pred. No. 0.0083;		
Matches 156;	Conservative 0;	Mismatches 170;	Indels 0;	Gaps 0;
QY	554	TTATTTCCGGAGATCTCACACAGAAGCTTAAATACAAAGATTATTCCTAGAAAAGGATATCG	613	
Db	98	TTATTTTAGGTGTTATTCCTATCAACTCAAAATACAAATAAATATAGTAAAAAAGAACCT	157	
QY	614	TAACTTTCCAGGAATTTGACTTTTAAATCAGAAAAATACCTTATGCGATATTTATATAAATTT	673	
Db	158	TAACTCAATTTGAGATATATTTTAAATTAATAAACACAGATGCACATAGGTTTAATGAA	217	
QY	674	ATGAGCTACTTCTCCTTATGTGAAGCGGAGAAATCGAAATTTGGCACAAAAGATGGGAAC	733	
Db	218	ATATTAACAATTTATGTATAAAAAAGGTGTTATATTCATATAAAGACACACATTCARAA	277	
QY	734	ATGAGCAAAATAGACTTATTTTGACTCACCAAATGAAGGGACTAGATCAGATATTTTTCGAA	793	
Db	278	TTAACCAATTAATTAACAACAAAAGAATTTTAAAGGATTATTTAAAAAATTAAGAAGAA	337	
QY	794	AATATAAGATAATAGAAATTTATCAATATGAAACAACCTTTAGTCATTTTCGATATTTATCTTG	853	
Db	338	AAAAATGAGTCAAAATAAATATCTACTACGAAAATCTAATAACCAATAATTTAATGTTA	397	
QY	854	AAAAATTAATTCATCATACACAAAAA	879	
Db	398	AAAAATGATGATATAAAAAACAACAA	423	

RESULT 8  
US-08-743-637B-33  
; Sequence 33, Application US/08743637B  
; Patent No. 5994066  
GENERAL INFORMATION:

```

; APPLICANT: BERGERON, Michel G.
; APPLICANT: PICARD, Francois J.
; APPLICANT: OUELLETTE, Marc
; APPLICANT: ROY, Paul H.
; TITLE OF INVENTION: SPECIES-SPECIFIC AND UNIVERSAL DNA
; TITLE OF INVENTION: PROBES AND AMPLIFICATION PRIMERS TO RAPIDLY DETECT AND
; TITLE OF INVENTION: IDENTIFY COMMON BACTERIAL PATHOGENS AND ASSOCIATED
; TITLE OF INVENTION: ANTIBIOTIC RESISTANCE GENES FROM CLINICAL SPECIMENS
; NUMBER OF SEQUENCES: 273
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: QUARLES & BRADY
; STREET: 411 EAST WISCONSIN AVENUE
; CITY: MILWAUKEE
; STATE: WISCONSIN
; COUNTRY: USA
; ZIP: 53202-4497
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/743,637B
; FILING DATE: 04-NOV-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/526,840
; FILING DATE: 11-SEP-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: BAKER, Jean C.
; REGISTRATION NUMBER: 35,433
; REFERENCE/DOCKET NUMBER: 850586.90012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (414) 277-5000
; TELEFAX: (414)277-5591
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1837 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pyogenes
;
; US-08-743-637B-33

Query Match          5.8%; Score 54; DB 2; Length 1837;
Best Local Similarity 46.0%; Pred. No. 0.009;
Matches 183; Conservative 0; Mismatches 215; Indels 0; Gaps 0;

QY      414  TCAAAATTTAAACGAGCATGATCATGTAGATGTTTTTTGGATTATTTATATCTTAATTC 473
Db      1122  TAAACGTTGATATTTATGGGTAGAAATATACCATCTCTGTTATTTATGCGAAATGC 1181

QY      474  TCACACGGTGTAGTACATCTATGAGGAATTACGCCCTGCTCAAAATAATAAGTAAATCA 533
Db      1182  AGAAGAGAGTGCATGTATCTACGAGGGGTAAACAATCATCAAGGGATCATTTAGAAT 1241

QY      534  TAAATTTATGGGAAATCTATTTATTTCCGGAGAAATCTCACAGAACTTAAATAACAAGAT 593
Db      1242  TCTTAAATAAGATAGTCGTTTAAAGTATCAATCGATGTTATCAAAAGCCTATCATTTGATAT 1301

QY      594  TATTTCTAGAAAAGGATATCGTAACTTTCCAGGAAATTGACTTTTAAATCAGAAATACCT 653
Db      1302  TGAACAATAATAAAATGTTAACTGCTCAAGAAATTAGACTATAAAGTTAGAAATATCT 1361

QY      654  TATGGTAATATTAAATTTATGACGCTACTTCTCTCTTATGTAAGCGGACAGAAATCGAAAT 713
Db      1362  TACAGATAATAAGCAACTATATACTAATGACCTTCTTAATATCAAACTGGATATATAA 1421

QY      714  TGGCACAARAAGTGGGAACATCAGCAAAATAGACTTATTTGACTCACCAAATGAAGGAC 773
Db      1422  GTTCTACCTAAGAAATTAAGAAAGTTTTTTGGTTGGATTTTTTCCCTGAACACGAAATTTAC 1481

```









APPLICANT: Chumakov, Ilya  
APPLICANT: Cohen, Annick  
TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING  
TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM  
FILE REFERENCE: GENSET.051CP1  
CURRENT APPLICATION NUMBER: US/09/641,638  
CURRENT FILING DATE: 2000-08-16  
PRIOR APPLICATION NUMBER: US 09/502,330  
PRIOR FILING DATE: 2000-02-11  
PRIOR APPLICATION NUMBER: US 60/133,200  
PRIOR FILING DATE: 1999-05-07  
PRIOR APPLICATION NUMBER: US 09/275,267  
PRIOR FILING DATE: 1999-03-23  
PRIOR APPLICATION NUMBER: US 60/119,917  
PRIOR FILING DATE: 1999-02-12  
NUMBER OF SEQ ID NOS: 1304  
SOFTWARE: Patent.pm  
SEQ ID NO 651  
LENGTH: 20674  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 1123..3123  
OTHER INFORMATION: 5'regulatory region  
NAME/KEY: exon  
LOCATION: 3124..3297  
OTHER INFORMATION: exon 1  
NAME/KEY: exon  
LOCATION: 3871..4072  
OTHER INFORMATION: exon 2  
NAME/KEY: exon  
LOCATION: 5552..5633  
OTHER INFORMATION: exon 3  
NAME/KEY: exon  
LOCATION: 5758..5880  
OTHER INFORMATION: exon 4  
NAME/KEY: exon  
LOCATION: 5996..6099  
OTHER INFORMATION: exon 5  
NAME/KEY: exon  
LOCATION: 6349..6509  
OTHER INFORMATION: exon 6  
NAME/KEY: exon  
LOCATION: 7379..7522  
OTHER INFORMATION: exon 7  
NAME/KEY: exon  
LOCATION: 8645..8854  
OTHER INFORMATION: exon 8  
NAME/KEY: exon  
LOCATION: 12254..12340  
OTHER INFORMATION: exon 9  
NAME/KEY: exon  
LOCATION: 12854..13023  
OTHER INFORMATION: exon 10  
NAME/KEY: exon  
LOCATION: 13308..13429  
OTHER INFORMATION: exon 11  
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OTHER INFORMATION: exon 12  
NAME/KEY: exon  
LOCATION: 16775..16945  
OTHER INFORMATION: exon 13  
NAME/KEY: exon  
LOCATION: 17063..17554  
OTHER INFORMATION: exon 14  
NAME/KEY: misc\_feature  
LOCATION: 17555..20674  
OTHER INFORMATION: 3'regulatory region  
NAME/KEY: allele  
LOCATION: 1128  
OTHER INFORMATION: 10-508-191 : polymorphic base C or T

NAME/KEY: allele  
LOCATION: 1182  
OTHER INFORMATION: 10-508-245 : polymorphic base C or T  
NAME/KEY: allele  
LOCATION: 1559  
OTHER INFORMATION: 10-509-284 : polymorphic base C or T  
NAME/KEY: allele  
LOCATION: 1570  
OTHER INFORMATION: 10-509-295 : deletion of C  
NAME/KEY: allele  
LOCATION: 1827  
OTHER INFORMATION: 10-510-173 : variable motif ATTTA or TTTTT  
NAME/KEY: allele  
LOCATION: 2048  
OTHER INFORMATION: 10-511-62 : polymorphic base C or T  
NAME/KEY: allele  
LOCATION: 2323  
OTHER INFORMATION: 10-511-337 : insertion of T  
NAME/KEY: allele  
LOCATION: 2341  
OTHER INFORMATION: 10-512-36 : polymorphic base G or C  
NAME/KEY: allele  
LOCATION: 2623  
OTHER INFORMATION: 10-512-318 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 2832  
OTHER INFORMATION: 10-513-250 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 2844  
OTHER INFORMATION: 10-513-262 : polymorphic base C or T  
NAME/KEY: allele  
LOCATION: 2934  
OTHER INFORMATION: 10-513-352 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 2947  
OTHER INFORMATION: 10-513-365 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 3802  
OTHER INFORMATION: 12-206-81 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 4062  
OTHER INFORMATION: 10-343-231 : deletion of C  
NAME/KEY: allele  
LOCATION: 4088  
OTHER INFORMATION: 12-206-366 : polymorphic base C or T  
NAME/KEY: allele  
LOCATION: 4109  
OTHER INFORMATION: 10-343-278 : polymorphic base C or T  
NAME/KEY: allele  
LOCATION: 4170  
OTHER INFORMATION: 10-343-339 : polymorphic base G or T  
NAME/KEY: allele  
LOCATION: 5903  
OTHER INFORMATION: 10-346-23 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 6019  
OTHER INFORMATION: 10-346-141 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 6141  
OTHER INFORMATION: 10-346-263 : polymorphic base G or C  
NAME/KEY: allele  
LOCATION: 6183  
OTHER INFORMATION: 10-346-305 : polymorphic base C or T  
NAME/KEY: allele  
LOCATION: 6338  
OTHER INFORMATION: 10-347-74 : polymorphic base A or G  
NAME/KEY: allele  
LOCATION: 6375  
OTHER INFORMATION: 10-347-111 : polymorphic base G or C  
NAME/KEY: allele  
LOCATION: 6429  
OTHER INFORMATION: 10-347-165 : polymorphic base C or T  
NAME/KEY: allele

[illegible]

Query Match	5.4%	Score 50.2;	DB 4;	Length 711;
Best Local Similarity	45.6%;	Pred. No. 0.049;		
Matches	254;	Conservative 0;	Mismatches 298;	Indels 5; Gaps 2;
Qy	35	AAAACTAAAAATATAAATACATTTATAAAATTTCTAAATATAACAGAGAATCTGATTTTAA	94	
Db	143	AAATTCAAAAATAATACAAATGAAATTAATTTTAGAAATTTGATAAATTAATTTCTTA	202	
Qy	95	CTACTTACTGCTATTTTCATGATTTCTCGTACGAGTAATACATTTAAATTAAGGAGAAAAA	154	
Db	203	TAAACAATTTAGATATACAAATAAATTTTCATTCGTATCAAAATTTGTTAATTAATGA	260	
Qy	155	TGAAAAAGATTACATCATCAAAATAGTTTTCATAAATACAGTCATACATTTTCACATT	214	
Db	261	-TAAAAATATTATACGAAAGGAATAGTTTAAATTTTATTTAGTTTAAATTAATATCA	319	
Qy	215	ATTTCACTATCATCAAAGTGACTCTAAGAAAGACATTTTCGAATGTTAAAGTGATTTAC	274	
Db	320	TTGAAAAAATCAAAATTTCTATCAGACACATTAATTTTTCAGCATTCAAATGAGTGTAG	379	
Qy	275	TTTATGCACTACACTATAAAGTCCCTATTGATATATAAGATTGCAGGGTAAATTTTCAACGA	334	
Db	380	TTAATTGAATTTATTTTATTTACITATAAATTTTAAACAAATTCATATTTAATTTGATCCAAAT	439	
Qy	335	CACACATTTAAACATTTGACTACTCAAAATATATAGAGGGAAAGACTATTAATATTAGTTCGG	394	
Db	440	GAAAAAAATATGTTTTTAAAAATTTAAAAAGACATCACTAAAGGTGTAATTTAGTACCAATT	499	
Qy	395	AAATGCTTTATGAGGCTCTCAAAATTTTAAACGACATGATCATGTAGATGTTTTTGGAT	454	
Db	500	TATTACATAATTATGGTTTTTGTGGATTTTGTTCAGACTTAATCACAGAAATTTTTTAA	559	
Qy	455	TATTTTATATCTTAATCTCACACCGGTGAGTACATCTATGAGGAATTTACGCGTCGC	514	
Db	560	AAGCTTATCGTTTCAAGATGAAA--TTCTAAATCTGTTTTTAAATTTAGCGGTAACATT	617	
Qy	515	AAAATAATAAGTAATCATAAATTTATTTGGAAATCTATTTTATTTTCGGGAGAAATCTCAAC	574	

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Db 618 AAATAATGAATTTT TAGAAGAAATCATGAGAAATATGATACATACAAAAATAATTGATAG 677
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Qy 575 AGAACTTAAATAACAAG 591
    ||| | ||| | ||| | ||| | ||| | ||| | ||| |
Db 678 AGATCATAAATATTTAG 694
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Search completed: August 28, 2003, 02:51:06  
Job time : 89 secs